



Comprehensive Everglades Restoration Plan

North Palm Beach County Part I

SFWMD Project Manager: Mike Voich, P.E.

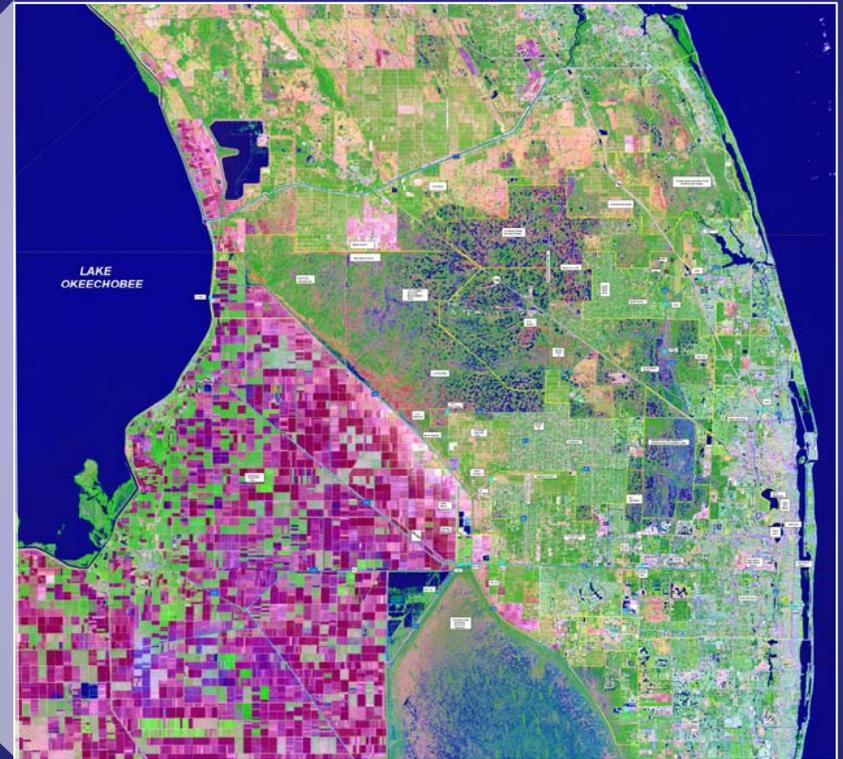
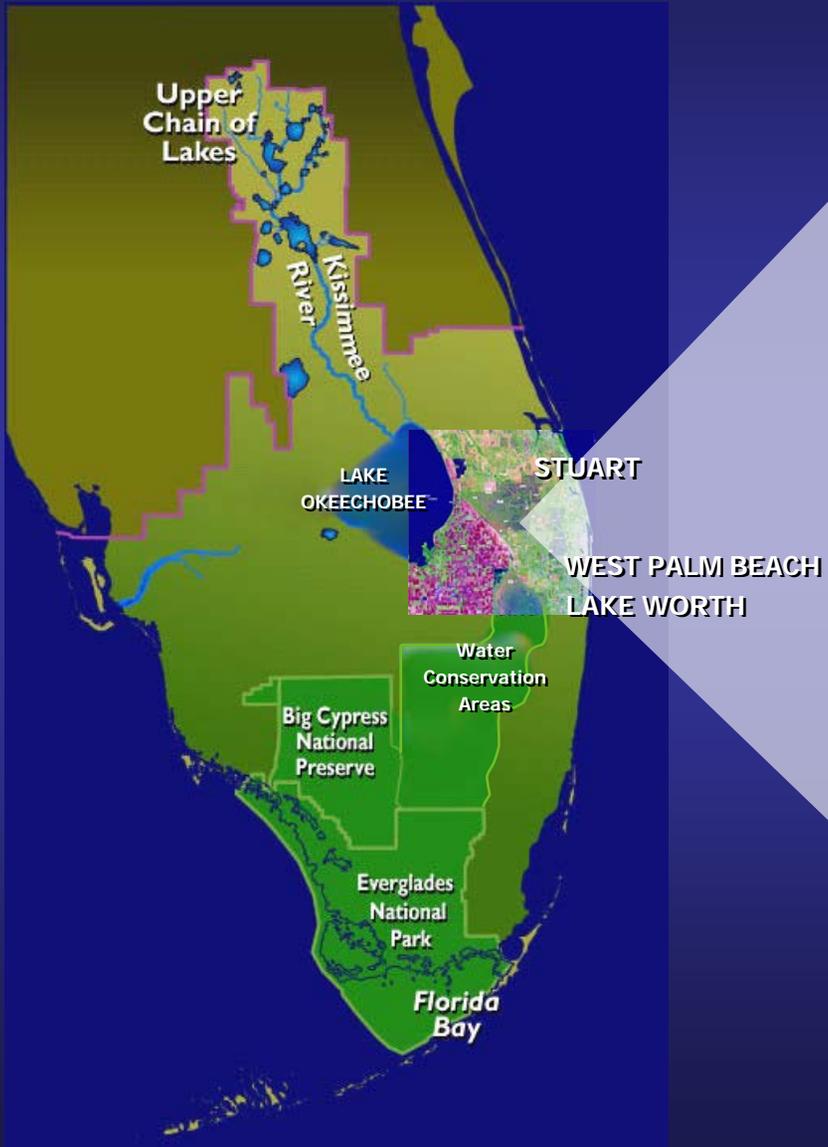


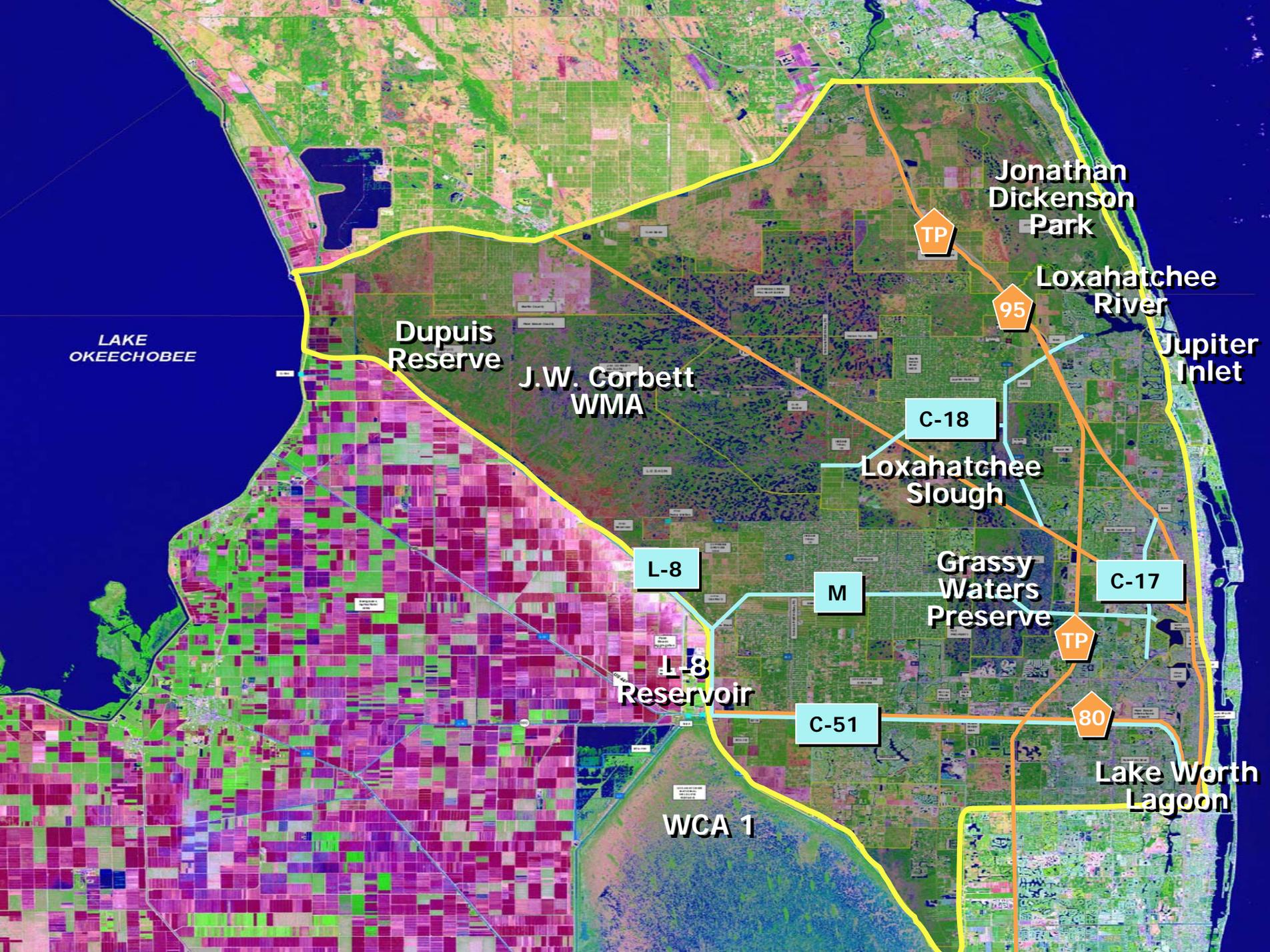
Presentation

- **Project Area**
- **Project Goals and Objectives**
- **Proposed Improvements**
- **CERP Process, Schedule and Budget**
- **Current Status of Effort**



Project Area





Project Goals and Objectives

- **Capture and store/treat excess water currently discharged to the Lake Worth Lagoon**
- **Use these waters for environmental enhancement of:**
 - **Loxahatchee River**
 - **Loxahatchee Slough**
 - **Grassy Waters Preserve**

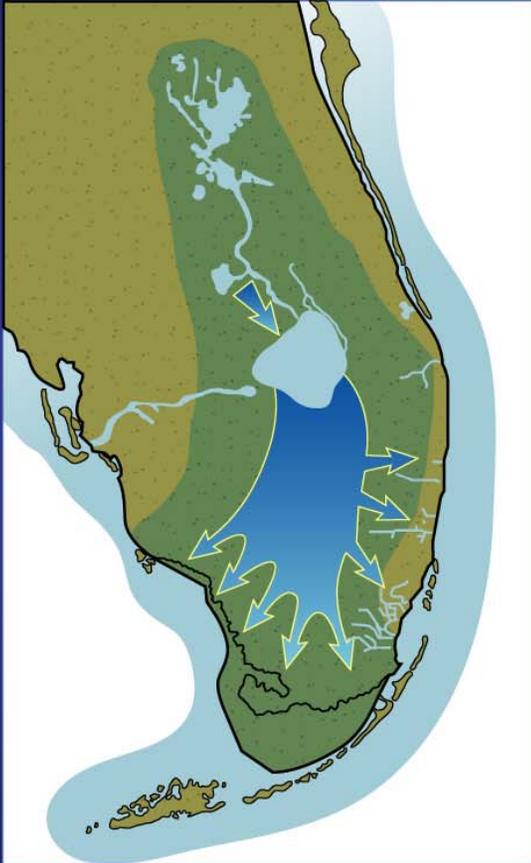


Project Goals and Objectives

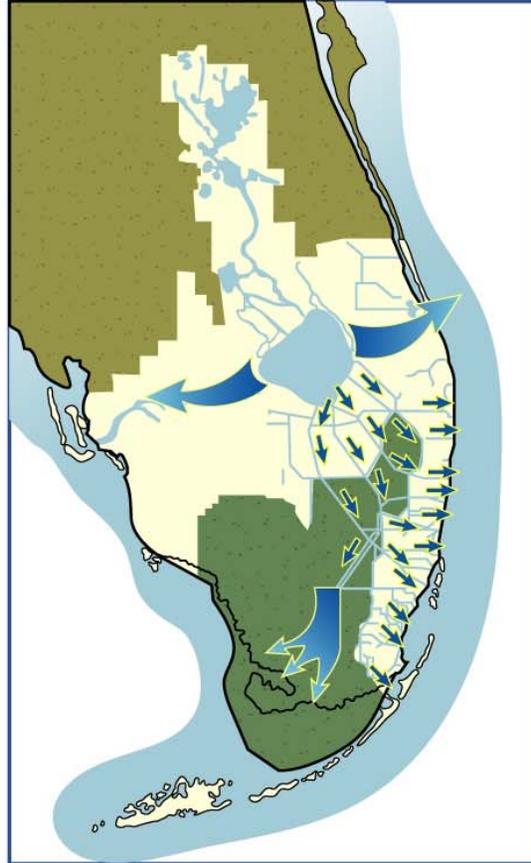
- **Improve hydrologic connections between protected natural areas**
- **Improve the Quality, Quantity, Timing and Distribution of water delivery to the Loxahatchee River and Estuary**



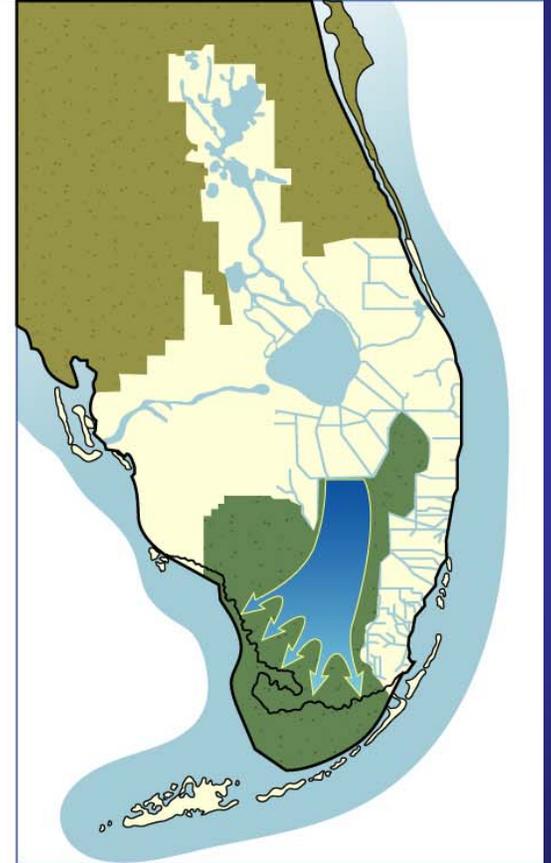
Everglades System



Historic Flow

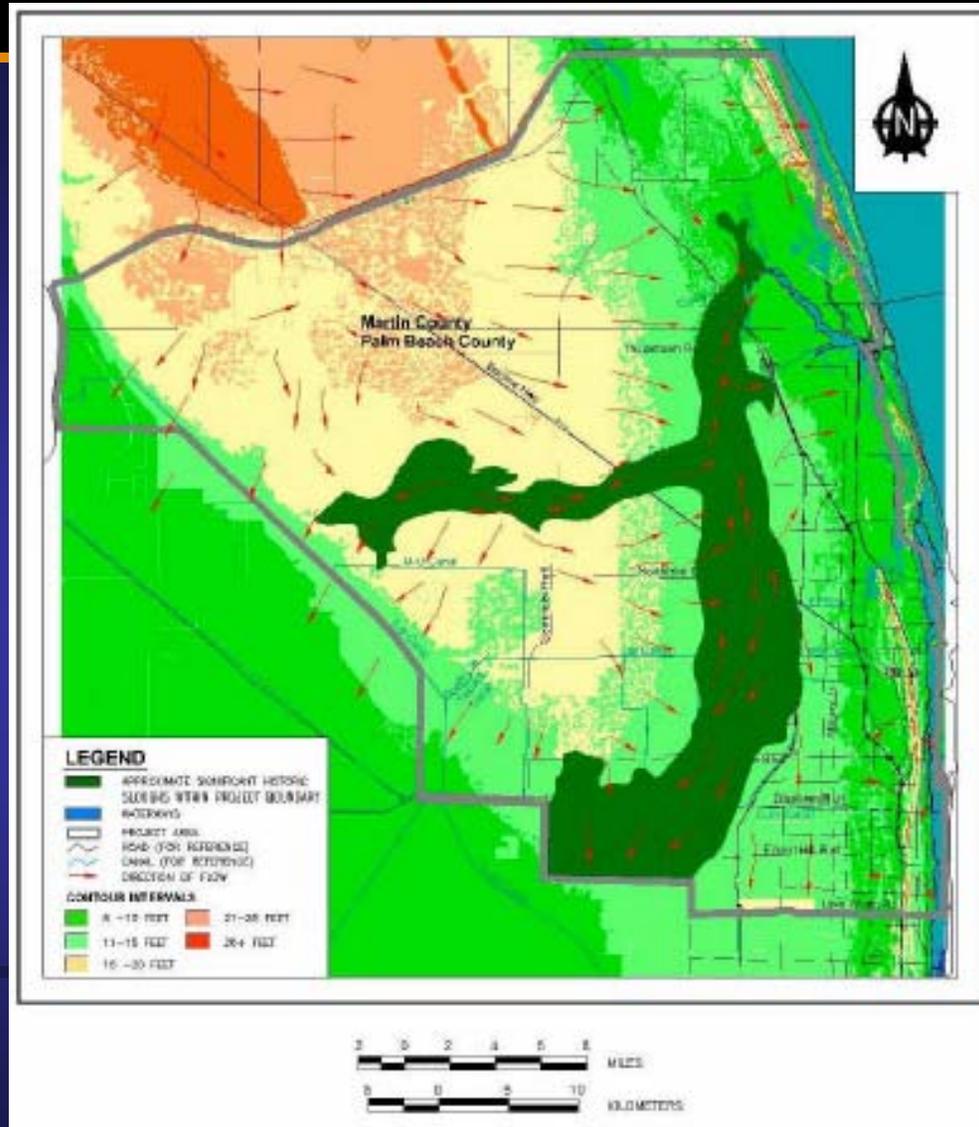


Current Flow



Restored Flow

Historic Condition

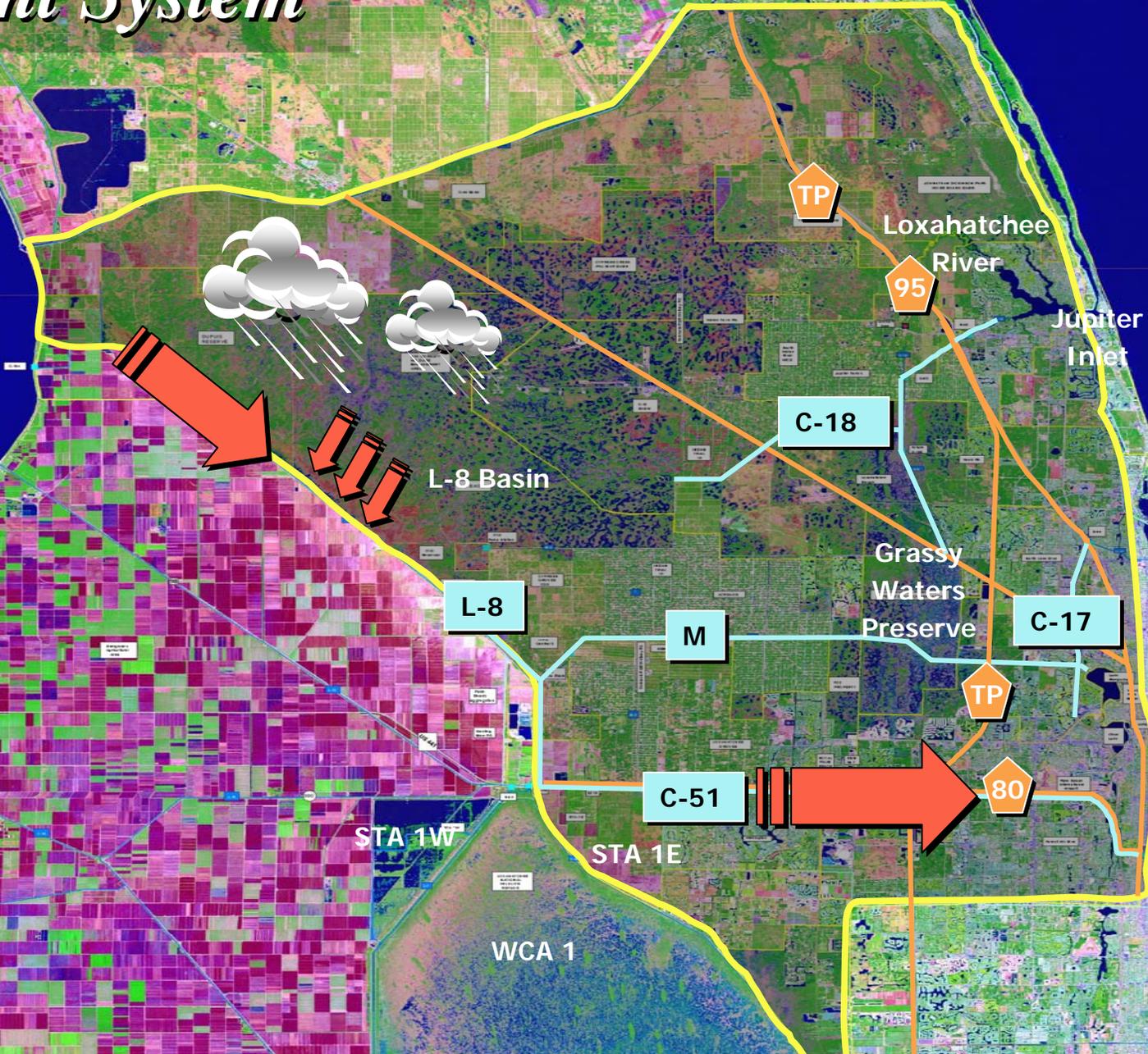


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Current System

LAKE OKEECHOBEE



L-8 Basin

L-8

M

C-51

C-18

C-17

TP

95

TP

80

STA 1W

STA 1E

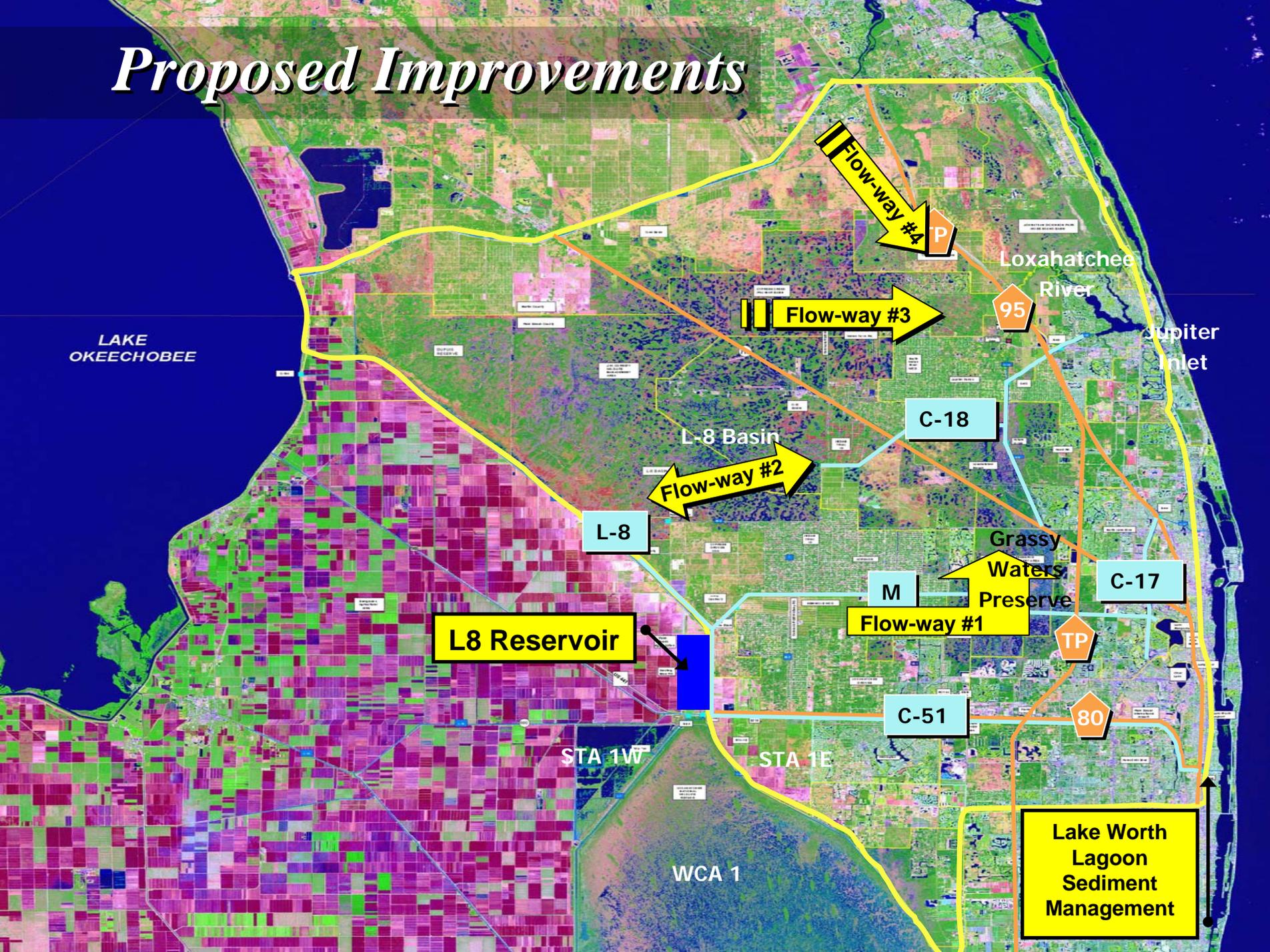
WCA 1

Loxahatchee River

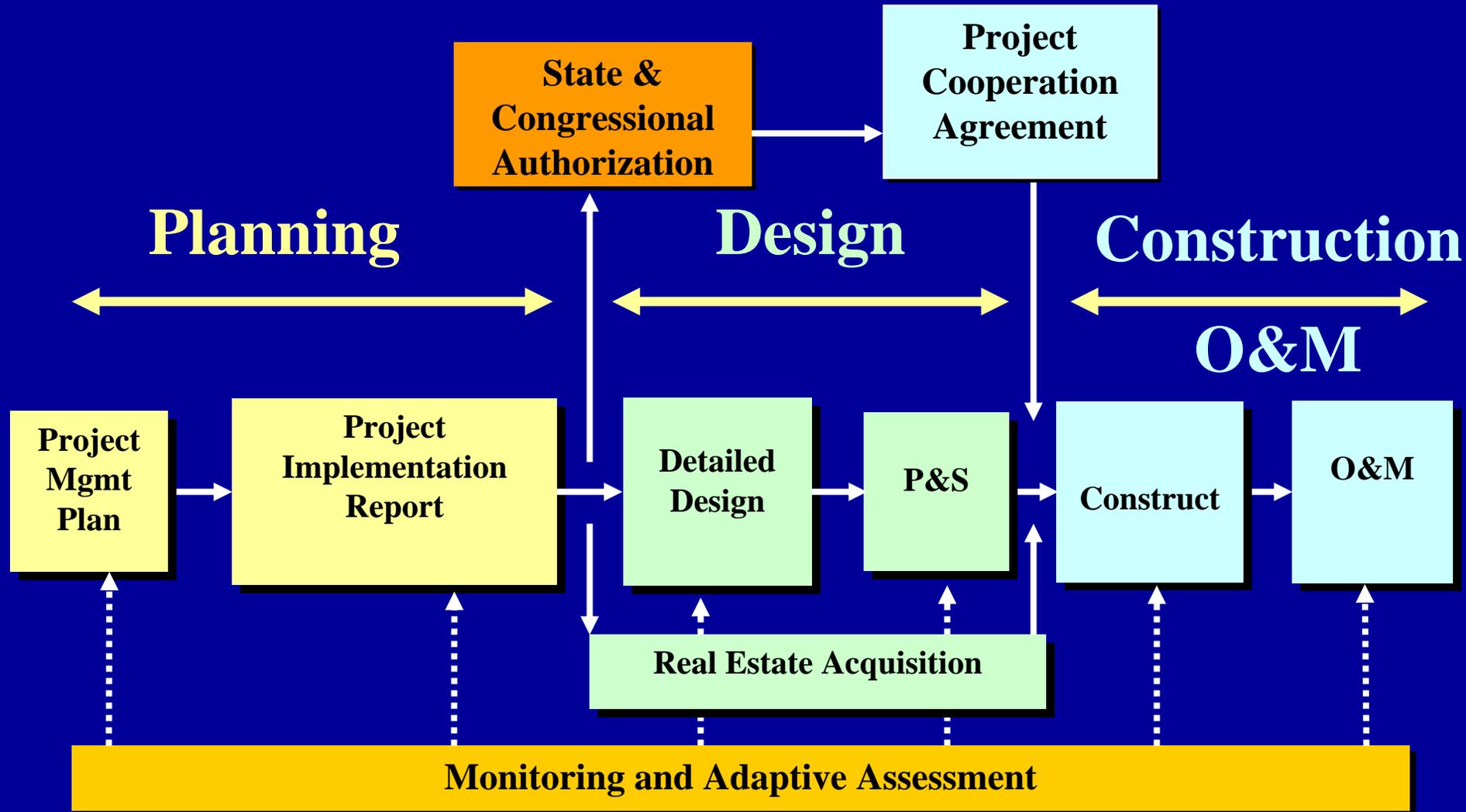
Jupiter Inlet

Grassy Waters Preserve

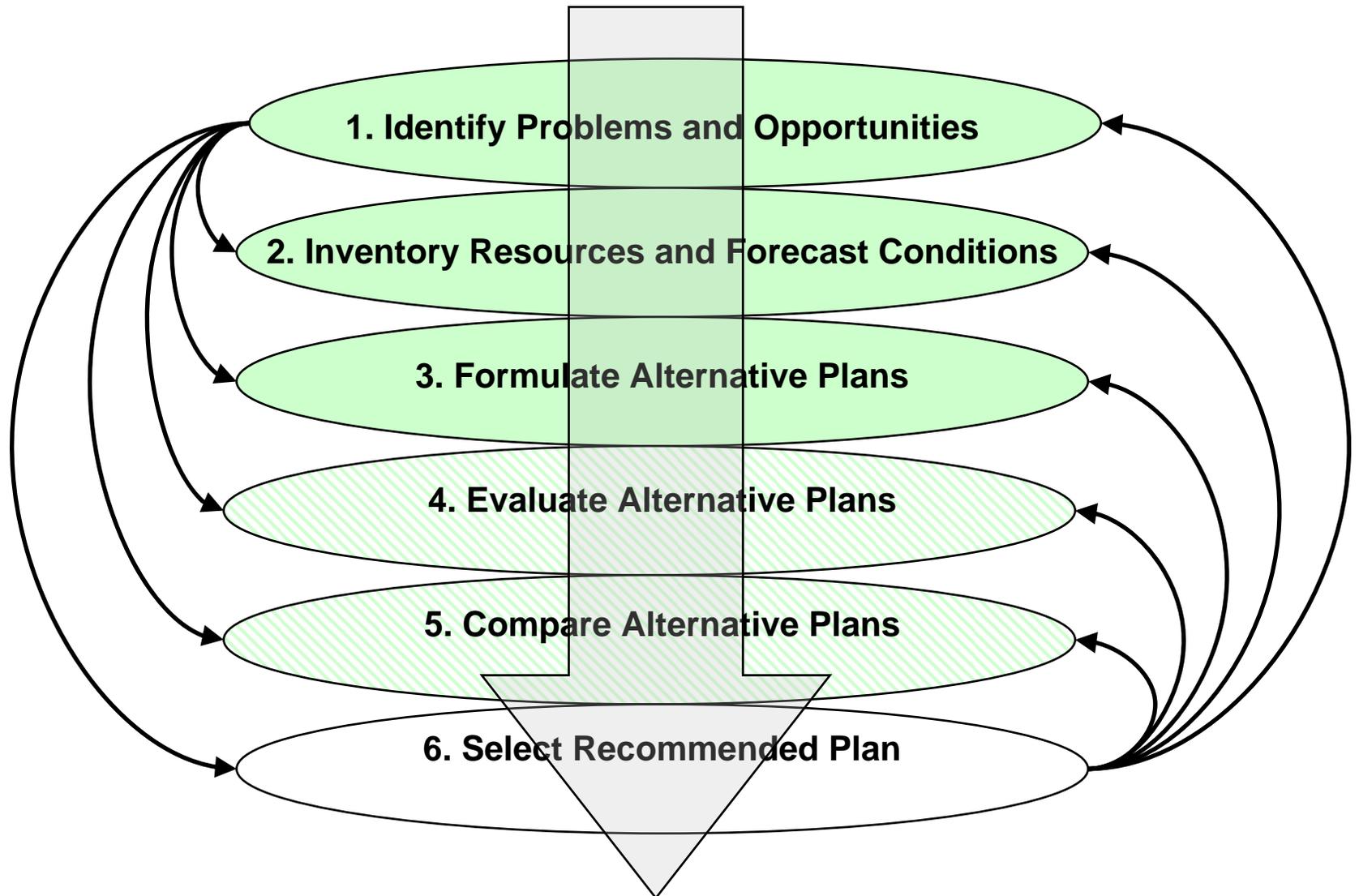
Proposed Improvements



Project Development Process



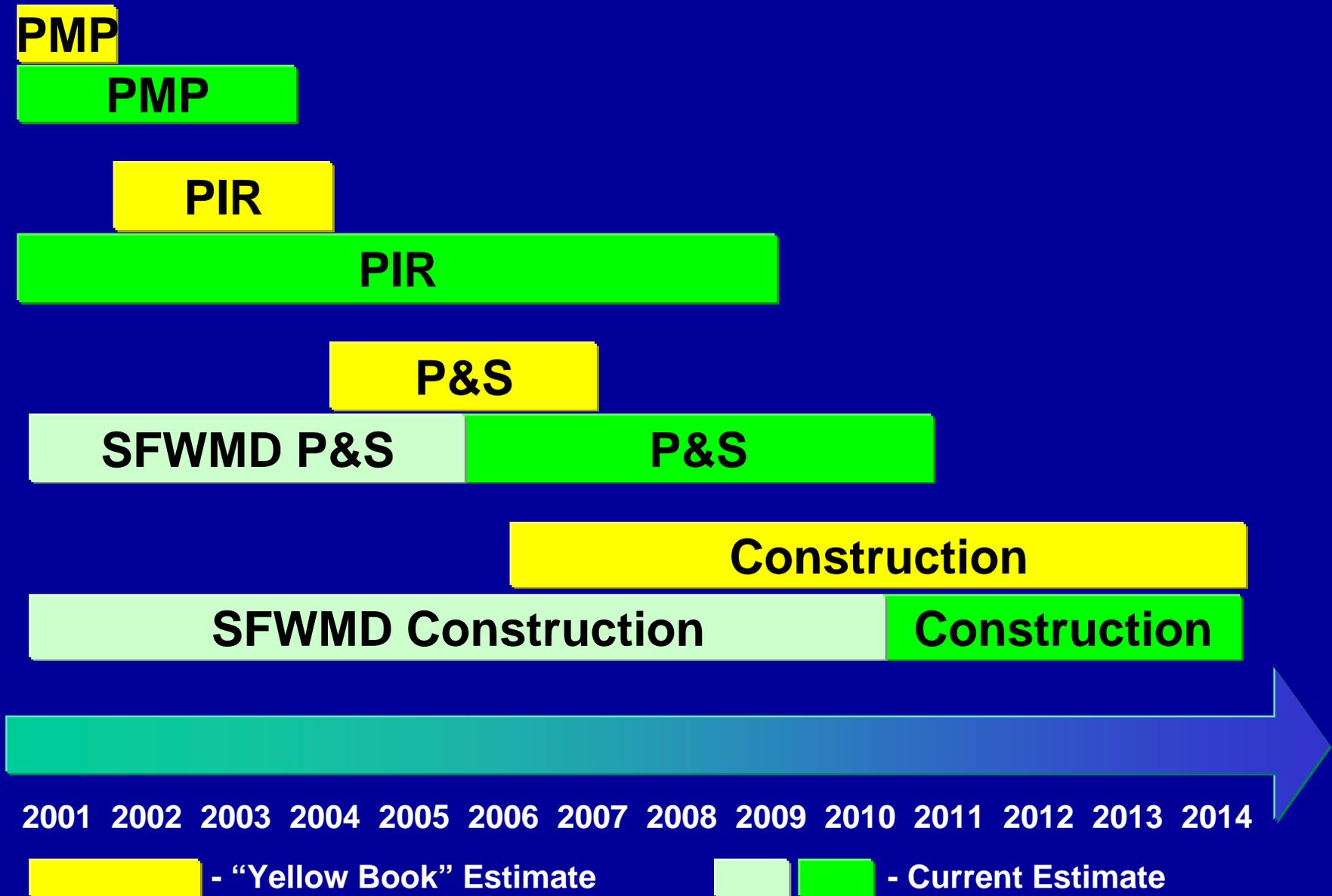
Initiate Planning Process



Complete Planning Process -

Is the Recommended Plan Acceptable, Effective, Efficient, and Complete?

CERP – NPBC Part 1 - Estimated Schedule



Estimated Project Costs*

PMP/PIR	\$ 14,643,000
Detailed Design	\$ 7,696,000
Plans and Specs	\$ 2,482,000
Real Estate	\$ 63,783,000
Construction	<u>\$ 336,475,000</u>
Project Total	\$ 425,079,000

* From April 1999 Feasibility Report

Current Status – L-8 Reservoir



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Current Status – G-160



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G-160 Loxahatchee Slough Restoration

Print #40128094
Date:01/28/04

 Aerial Photography, Inc. 954-568-0484



Current Status – G-161 Structure



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Current Status

- **Project Implementation Report**
- **Project Modeling**
- **G-160/161 revised interim operations**
- **M-Canal Widening – Phase 1&2**
- **Control #2 Pump Station**
- **L-8 Reservoir Pump Station**
- **Flow-way #2**
- **Additional L-8 Reservoir Storage**



Summary

- **Project Implementation Report Phase**
- **Early Design and Construction efforts by non-Federal Sponsor (SFWMD)**
- **Inter-basin transfer of water - volumes currently being evaluated**
- **Cooperation and Partnerships with local government agencies**



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Proposed Improvements

